

EAST SEARCH

9/16/05

L#	Hits	Search String	Databases
L1	2	5,079,731.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	2	5,428,555.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	2	5,119,468.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2	5,097,412.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	2	4,663,704.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	2	4,506,324.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	4252	process control and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	481	process control with simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	86	8 and (distributed with ("process control" or controller or "control system"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	0	10 and ("display module" or "display controller")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	54	10 and display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	53	10 and ("configuration module" or configuration)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	55	10 and ("control module" or controller)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	41	10 and ("I/O device" or (input with output with device\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	48	10 and ((field with device\$1) or (controlled with device\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	46	10 and Fieldbus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	0	10 and "OPC interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	1	10 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	1	10 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	1	9 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	1	9 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	7	8 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	9	8 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	4	10 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	4	9 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	4	8 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	9	7 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	9	7 and (OPC with protocol)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	207	process control and OPC	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	16	31 and "user interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	47	30 and simulat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	55	10 and ("control module" or controller)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L34	53	12 and 13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L35	53	34 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L36	53	35 and 33	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L37	41	36 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L38	41	37 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L39	37	38 and 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	55	9 and "user interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L40	113	8 and "user interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	475	Fieldbus protocol or "Fieldbus Foundation" or Fieldbus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	99	Fieldbus protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	58	2 and (distributed with ("process control" or controller or "control system"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	20	3 and simulat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
S1	4479	process control and simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	72364	((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S3	1031	("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S4	534	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S5	315	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S6	205	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	0	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	615	distributed near2 process near2 control\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S9	54	S8 and ((plurality or multiple or different) near2 protocol\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S10	14	S8 and ((plurality or multiple or different) near2 communication near2 protocol\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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Results of search set L40: (process control with simulat\$3) and "user interface"

Document	Kind	Codes	Title	Issue Date	Current OR
US 20030046663	A1		System and method for analyzing a graphical program using debugging graphical programs	20030306	717/125
US 20030046657	A1		Creating a graphical program to configure one or more switch devices	20030306	717/105
US 20030043175	A1		System and method for specifying a machine vision process using different programming methodolo	20030306	345/700
US 20030038841	A1		System and method for specifying a computer-implemented process using different programming m	20030227	345/762
US 20030037322	A1		Graphically configuring program invocation relationships by creating or modifying links among progr	20030220	717/162
US 20030037316	A1		Configuration diagram with context sensitive connectivity	20030220	717/127
US 20030037135	A1		Process control bus monitoring and analysis	20030220	709/224
US 20030037119	A1		GRAPHICAL PROGRAMMING SYSTEM AND METHOD INCLUDING NODES FOR PROGRAMM	20030220	709/217
US 20030036876	A1		Network-based system for configuring a measurement system using configuration information gene	20030220	702/127
US 20030036875	A1		Network-based system for configuring a programmable hardware element in a measurement system	20030220	702/127
US 20030036874	A1		Network-based system for configuring a measurement system using configuration information gene	20030220	702/123
US 20030036873	A1		System and method for configuring a measurement system using software programs generated i	20030220	702/119
US 20030036871	A1		System and method for online specification of measurement hardware	20030220	702/119
US 20030035010	A1		Configuring graphical program nodes for remote execution	20030220	345/771
US 20030035009	A1		Creation of a graphical program through graphical association of a data point element with the grapl	20030220	345/771
US 20030035008	A1		Method and apparatus for controlling an instrumentation system	20030220	345/771
US 20030035006	A1		Graphical association of a device icon with a graphical program	20030220	345/763
US 20030035005	A1		Graphically deployment of a program with automatic conversion of program type	20030220	345/763
US 20030035004	A1		System and method for deploying a graphical program to a PDA device	20030220	345/762
US 20030034998	A1		Graphical association of program icons	20030220	345/736

US 20030025730 A1	Method for defining look and feel of a user interface obviating the requirement to write programming	20030206 345/760
US 20030023686 A1	Virtual consultant	20030130 709/205
US 20030018446 A1	Graphical program node for generating a measurement program	20030123 702/123
US 20030005180 A1	Measurements expert system and method for generating high-performance measurements software	20030102 709/328
US 20030005179 A1	System of measurements experts and method for generating high-performance measurements software	20030102 709/328
US 20030004670 A1	Measurement system software architecture for easily creating high-performance measurement applications	20030102 702/123
US 20030001896 A1	Measurement system graphical user interface for easily configuring measurement applications	20030102 345/771
US 20020196283 A1	System and method for creating a graphical program based on a pre-defined program process	20021226 345/763
US 20020196282 A1	Collector node for a graphical program	20021226 345/763
US 20020191023 A1	System and method for graphically creating a sequence of motion control operations	20021219 345/771
US 20020188433 A1	Generic device simulator for process control	20021212 703/21
US 20020186245 A1	System and method for configuring a hardware device to execute a prototype	20021212 345/764
US 20020174264 A1	System and method for obtaining driver software and documentation for a detected hardware and software	20021121 709/321
US 20020152280 A1	Network system including data socket components for accessing internet semaphores	20021017 709/217
US 20020145629 A1	System and method for creating a graphical program including a plurality of portions to be executed	20021010 345/763
US 20020138590 A1	System method and article of manufacture for creating a virtual university experience	20020926 709/218
US 20020129333 A1	System and method for programmatically generating a graphical program based on a sequence of rules	20020912 717/107
US 20020126151 A1	System and method for graphically creating a sequence of motion control, machine vision, and data	20020912 345/771
US 20020119434 A1	System method and article of manufacture for creating chat rooms with multiple roles for multiple participants	20020829 434/322
US 20020111783 A1	Simulation, measurement and/or control system and method with coordinated timing	20020815 703/13
US 20020109726 A1	System and method for accessing registers of a hardware device in a graphical program	20020815 345/771
US 20020109722 A1	System and method for performing type checking for hardware device nodes in a graphical program	20020815 345/763
US 20020089538 A1	System and method for programmatically generating a second graphical program based on a first graphical program	20020711 345/763
US 20020083413 A1	System and method for programmatically generating a graphical program in response to a state diagram	20020627 717/109
US 20020082893 A1	Delivery system and method for vehicles and the like	20020627 705/8
US 20020080174 A1	System and method for configuring an instrument to perform measurement functions utilizing convolution	20020627 345/762
US 20020070966 A1	System and method for automatically configuring a graphical program to publish or subscribe to data	20020613 345/763
US 20020067757 A1	Programmable modem apparatus for transmitting and receiving digital data, design method and use	20020606 375/130
US 20020055947 A1	System and method for deploying a graphical program on an image acquisition device	20020509 715/500
US 20020049625 A1	Artificial intelligence manufacturing and design	20020425 705/9
US 20020022939 A1	Control program development support apparatus	20020221 702/123
US 20020010571 A1	Systems and methods for interactive virtual reality process control and simulation (VRPCS)	20020124 703/21
US 20010051928 A1	Protection of software by personalization, and an arrangement, method, and system therefor	20011213 705/52
US 20010035879 A1	System and method for programmatically creating nodes in a graphical program with minimal graphical	20011101 345/763
US 20010034881 A1	System and method for enhancing the readability of a graphical program	20011025 717/141
US 20010034879 A1	System and method for programmatically generating a graphical program in response to user input	20011025 717/100
US 20010024211 A1	System and method for programmatically modifying a graphical program in response to program information	20010927 345/763
US 20010020291 A1	System and method for programmatically generating a graphical program in response to program information	20010906 717/100
US 6535795 B1	Method for chemical addition utilizing adaptive optimization	20030318 700/266
US 6526566 B1	Graphical programming system and method including nodes for programmatically accessing data sources	20030225 717/109
US 6518550 B1	System, controller, computer readable memory, and method for precise on-line control of heat transfer	20030211 219/497
US 6510353 B1	Determining tuning parameters for a process controller from a robustness map	20030121 700/37
US 6466995 B2	Messaging application layer over ethernet to transport layer (TCP) communications method and apparatus	20021015 710/11
US 6446055 B1	Process control	20020903 706/10
US 6445963 B1	Integrated advanced control blocks in process control systems	20020903 700/44

US 6425117 B1	System and method for performing optical proximity correction on the interface between optical pro	20020723 716/21
US 6410066 B1	Controller and method for administering and providing on-line handling of deviations in a continuous	20020625 426/231
US 6404437 B1	Nuclear reactor core performance data visualization system	20020611 345/473
US 6347254 B1	Process facility control systems using an efficient prediction form and methods of operating the sam	20020212 700/29
US 6307877 B1	Programmable modem apparatus for transmitting and receiving digital data, design method and use	20011023 375/130
US 6289299 B1	Systems and methods for interactive virtual reality process control and simulation	20010911 703/21
US 6268853 B1	Data structure for use in enterprise controls	20010731 700/83
US 6233626 B1	System for a modular terminal input/output interface for communicating messaging application layer	20010515 710/11
US 6212566 B1	Interprocess communication protocol system modem	20010403 709/230
US 6161054 A	Cell control method and apparatus	20001212 700/121
US 6154215 A	Method and apparatus for maintaining multiple representations of a same scene in computer gener	20001128 345/418
US 6153860 A	System, controller, computer readable memory, and method for precise on-line control of heat trans	20001128 219/497
US 6112126 A	Adaptive object-oriented optimization software system	20000829 700/29
US 6053736 A	Interactive training system for AWACS weapons directors	20000425 434/11
US 5992229 A	Method and equipment for determining the performance of control valve	19991130 731/68
US 5980096 A	Computer-based system, methods and graphical interface for information storage, modeling and sti	19991109 707/100
US 5959617 A	Light pen input systems	19990928 345/182
US 5949682 A	Heated circuit assembly tester and method	19990907 700/121
US 5898860 A	System and method for automatically generating a control drawing for a real-time process control sy	19990427 703/6
US 5872810 A	Programmable modem apparatus for transmitting and receiving digital data, design method and use	19990216 375/222
US 5838568 A	Heated circuit assembly tester and method	19981117 700/121
US 5818736 A	System and method for simulating signal flow through a logic block pattern of a real time process cc	19981006 703/16
US 5789682 A	Circuit board assembly torsion tester and method	19980804 73/814
US 5752008 A	Real-time process control simulation method and apparatus	19980512 703/13
US 5736646 A	Circuit board assembly torsion tester and method	19980407 73/814
US 5699089 A	Central control for sequential-playback objects	19971216 345/823
US 5621670 A	Communication service simulator and a communication service specification verifying method	19970415 703/21
US 5567884 A	Circuit board assembly torsion tester and method	19961022 73/814
US 5545244 A	Control for glass forming machine	19960813 65/160
US 5446870 A	Spatially resolved stochastic simulation system	19950829 703/6
US 5418952 A	Parallel processor cell computer system	19950523 712/14
US 5418887 A	Data processing apparatus for a temporal based rule system	19950523 706/58
US 5408603 A	Global process control information system and method	19950418 345/763
US 5347449 A	Method for eliminating malfunctions, in particular in spinning machines	19940913 700/80
US 5204872 A	Control system for electric arc furnace	19930420 373/104
US 5202837 A	Material consolidation modeling and control system	19930413 700/98
US 5136717 A	Realtime systolic, multiple-instruction, single-data parallel computer system	19920804 712/16
US 5136497 A	Material consolidation modeling and control system	19920804 700/45
US 5058043 A	Batch process control using expert systems	19911015 700/167
US 4965743 A	Discrete event simulation tool for analysis of qualitative models of continuous processing system	19901023 706/45
US 4965713 A	Terminal element	19901023 700/29
US 4881230 A	Expert system for processing errors in a multiplex communications system	19891114 714/712
US 4873687 A	Failing resource manager in a multiplex communication system	19891010 714/4
US 4817092 A	Threshold alarms for processing errors in a multiplex communications system	19890328 714/10
US 20020070966 A	Graphical program configuration method in computer system, involves automatically configuring gra	20020613

US 20010035879 A	Graphical program node configuration method for industrial automation applications, involves gener	20011101
US 20010034879 A	Computer implemented graphical program generation method for industrial system, process control	20011025
US 6243076 B	Eye gaze interaction system for controlling interface of host system, makes host system to perform	20000323
Results of search set S9:		
US 20050134909 A1	Distributed printing control device and print job distribution method	20050623 358/1.15
US 20050007249 A1	Integrated alert generation in a process plant	20050113 340/511
US 20050005022 A1	Generic Communications Protocol Translator	20050106 709/236
US 20040249651 A1	Method and process management system for the operation of a technical plant	20041209 705/1
US 20040233918 A1	Multi-user diversity forwarding	20041125 370/400
US 20040213285 A1	Shadow function block interface for use in a process control network	20041028 370/465
US 20040078182 A1	Simulation system for multi-node process control systems	20040422 703/22
US 20030236937 A1	Plug and play reconfigurable USB interface for industrial fieldbus network access	20031225 710/305
US 20030014536 A1	INTELLIGENT LINKING DEVICE AND METHOD	20030116 709/238
US 20020194547 A1	Wiring fault detection, diagnosis and reporting for process control systems	20021219 714/43
US 20020184410 A1	Input/output device with configuration, fault isolation and redundant fault assist functionality	20021205 710/5
US 20020116453 A1	Industrial process control data access server supporting multiple client data exchange protocols	20020822 709/203
US 20020095515 A1	Method and apparatus for identifying an I/O network in a process control system	20020718 709/245
US 20020077711 A1	Fusion of process performance monitoring with process equipment monitoring and control	20020620 700/51
US 20020013629 A1	Process control system using a process control strategy distributed among multiple control element	20020131 700/4
US 6944681 B1	Probing algorithm for foundation fieldbus protocol	20050913 710/8
US 6912671 B2	Wiring fault detection, diagnosis and reporting for process control systems	20050628 714/25
US 6839790 B2	Plug and play reconfigurable USB interface for industrial fieldbus network access	20050104 710/305
US 6810430 B1	Network communications coupler	20041026 709/249
US 6785730 B1	Generic communications protocol translator	20040831 709/230
US 6738388 B1	Shadow function block interface for use in a process control network	20040518 370/465
US 6711629 B1	Transparent support of remote I/O in a process control system	20040323 710/8
US 6618745 B2	Linking device in a process control system that allows the formation of a control loop having function	20030909 709/201
US 6594530 B1	Block-oriented control system	20030715 700/18
US 6424872 B1	Block oriented control system	20020723 700/18
US 6285966 B1	Function block apparatus for viewing data in a process control system	20010904 702/188
US 6237786 B1	Systems and methods for secure transaction management and electronic rights protection	20010529 213/153
US 6195591 B1	Process control system using a process control strategy distributed among multiple control element	20010227 700/83
US 6192281 B1	Network accessible interface for a process control network	20010220 700/2
US 6111886 A	Apparatus for and method of communicating among devices interconnected on a bus	20000829 370/438
US 6111885 A	Apparatus for and method of communicating data among devices interconnected on a bus	20000829 370/438
US 6104722 A	Apparatus for and method of communicating among devices interconnected on a bus	20000815 370/438
US 6073197 A	Apparatus for and method of communicating data among devices interconnected on a bus by using	20000606 710/104
US 5960214 A	Integrated communication network for use in a field device management system	19990928 710/15
US 5938754 A	Fieldbus connector including dual connectors	19990817 710/305
US 5936960 A	Apparatus for and method of communicating among devices interconnected on a bus	19990810 370/438
US 5928331 A	Distributed internet protocol-based real-time multimedia streaming architecture	19990727 709/231
US 5923831 A	Method for coordinating membership with asymmetric safety in a distributed system	19990713 714/12
US 5909368 A	Process control system using a process control strategy distributed among multiple control element	19990601 700/2
US 5903455 A	Interface controls for use in a field device management system	19990511 700/83

US 5875186 A	Dynamic wireless local area network with interactive communications within the network	19990223 370/331
US 5838730 A	Radio transmitter/receiver for wireless local area network	19981117 375/272
US 5831848 A	Distributed environmental process control system	19981103 700/3
US 5796602 A	Method and apparatus using a device description for a conventional device	19980818 700/1
US 5729680 A	Ad hoc initialization for wireless local area network	19980317 709/222
US 5717688 A	Wireless local area network with roaming indicating multiple communication ranges	19980210 370/331
US 5544316 A	Method and system for optionally registering a local process to allow participation in a single system	19960806 719/310
US 5421004 A	Hierarchical testing environment	19950530 714/25
US 5381534 A	System for automatically generating efficient application - customized client/server operating enviroment	19950110 709/203
US 4677612 A	Communication system with subdivided transmission cycles	19870630 370/445
US 4581734 A	Multipriority communication system	19860408 370/412
US 4570257 A	Communication system with slot time error detection	19860211 370/216
US 4539655 A	Microcomputer based distributed control network	19850903 710/100
US 6810430 B	Communication system has network communication coupler which stores one or more instances of	20041026